

SILICA BY MOLYBDOSILICATE METHOD**SM 20th Ed 4500-SiO₂ C**

Facility Name: _____ VELAP ID: _____

Assessor Name: _____ Analyst Name: _____ Inspection Date: _____

Relevant Aspect of Standards**Method
Reference****Y****N****N/A****Comments***Records Examined:* SOP Number/ Revision/ Date _____ Analyst: _____

Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____

Were samples not acidified for preservation?	4500 A Intr 3				
Were samples corrected by blank subtraction?	4500 C 1 b				
Was glassware avoided as much as possible?	4500 C 1 b				
Was the spectrophotometer, if used, wavelength 410 nm?	4500 C 2 b 1)				
Was the maximum transmittance of the filter photometer, if used, near 410 nm?	4500 C 2 b 2)				
Were all reagents stored in plastic containers?	4500 C 3				
Were HCl and molybdate reagent added to sample aliquots in rapid succession?	4500 C 4 a				
Were samples mixed thoroughly between color allowed to develop for 2 min and 15 min prior to adding oxalic acid solution addition?	4500 C 4 a				
If NaHCO ₃ pretreatment was used, was it and H ₂ SO ₄ added to standards?	4500 C 4 c				
Was a blank prepared with no molybdate for every sample that needed correction to correct?	4500 C 4 d				
Was the calibration done after zeroing the photometer with reagent water?	4500 C 4 e				
Was at least one standard and a reagent blank analyzed with each batch of samples to confirm no drift?	4500 C 4 e				
Were permanent visual color standards used for visual comparisons against prepared standards?	4500 C 4 f				

Notes/Comments: